

MD3 Duct Sealing System



Duct sealing systems MD3 have been developed to provide an effective and simple solution for Gas and Watertight sealing of cables / pipes in ducts or bore holes.

This duct sealing system is extremely flexible and can be installed in ducts vertically and horizontally.

Features

- Gas- and watertight 1,0 bar
- Radon proof
- After mixing the polyurethane sealant it will expand and cures/hardens with a high density and a closed cell structure
- Can be used in any shaped or sized duct up to 200mm
- Easy and quick installation
- One complete kit for sealing of one duct
- Seals all known materials: PVC & PE sheeted cables, PILC cables, (HD)PE pipes, PE drink water conduits
- High mechanical strength, resists ground movement, shocks and vibrations
- Also suitable for renovation works
- No architectural measures necessary
- Used by various utility companies as well as contractors
- Over 25 years of operational experience



Specifications

MD3 Duct Sealing System

Properties	Unit	Value
Start time expansion	seconds	> 95
End time expansion	minutes	15
Compressive strength	N / cm ²	> 60
Gas and water tightness 1,0bar	30 days	no leakage
Density 10m water column	30 days	no leakage
Volume consistency	cube 10 x 10cm	no change
temperature Cycles, -20°C tot +40°C	10 consecutive cycles	no leakage
Vibration test 10 Hz/amplitude 3mm	240 hours	no leakage
axial tensile force	diameter x 10 N	no leakage
Resistance to bending	cables 45° in 2 directions >250mm	no leakage
Expansion polyurethane foam in pipe	cm	< 40
Temperature resistance	°C	+120
Chemical resistance		
0,1N Na ₂ SO ₄	30 days	no degradation
0,1N NaCl	30 days	no degradation
0,1N H ₂ SO ₄	30 days	no degradation
0,1N NaOH	30 days	no degradation
Diesel	30 days	no degradation
Gasonline	30 days	no degradation
Resistance		
Molds		good
Radon gas		no transit
Rodents		good
Shelf life	months	minimal 30

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More info

[Download: Material Safety Data Sheet \(MSDS\)](#)

Products

Art.nr.	Product Name	Duct diameter min.-max. (mm)	Maximum cable or pipe diameter in the duct (mm)	Order unit
82525	MD3 25mm duct sealing set for protection sleeves	Ø 25 max.	Ø 8 max.	per piece
82550	MD3 50mm duct sealing set for protection sleeves	Ø 50 max.	Ø 20 max.	per piece
82575	MD3 75mm duct sealing set for protection sleeves	Ø 75 max.	Ø 40 max.	per piece
80295	MD3 110mm duct sealing set for protection sleeves	Ø 110 max.	Ø 80 max.	per piece
80296	MD3 160mm duct sealing set for protection sleeves	Ø 160 max.	Ø 130 max.	per piece
802973	MD3 200mm duct sealing set for protection sleeves	Ø 200 max.	Ø 160 max.	per piece
802978	MD3 250mm duct sealing set for protection sleeves	Ø 250 max.	Ø 220 max.	per piece